L Number	Hits	Search Text	DB	Time stamp
- Muliber	13190	file same system same manag\$5	USPAT; EPO; JPO	2003/10/28 14:11
-	3526	file same system same manag\$5 and	USPAT;	2002/12/12
		transaction	EPO; JPO	11:06
_	158	file same system same manag\$5 and transaction and commit and roll\$back	USPAT; EPO; JPO	2002/12/12
_	67	file same system same manag\$5 and	USPAT;	2002/12/12
1		transaction and commit and roll\$back and	EPO; JPO	11:06
		communicat\$4 same protocol	USPAT;	2002/12/12
_	0	file same system same manag\$5 and transaction and commit and roll\$back and	EPO; JPO	10:57
		communicat\$4 same protocol and xdsm		
-	0		USPAT; EPO; JPO	2002/12/12
		transaction and commit and roll\$back and communicat\$4 same protocol and "xdsm"	EPO, UPO	10.57
_	52	file same system same manag\$5 and	USPAT;	2002/12/12
		transaction and commit and roll\$back and	EPO; JPO	11:06
		communicat\$4 same protocol and access same file		
_	4	file same system same manag\$5 and	USPAT;	2002/12/12
		transaction and commit and roll\$back and	EPO; JPO	10:58
		communicat\$4 same protocol and access same file and stack\$4 same file		
_	3	file same system same manag\$5 and	USPAT;	2002/12/12
		transaction and commit and roll\$back and	EPO; JPO	10:59
		communicat\$4 same protocol and access same file and stack\$4 same file and		
		data\$base		
·-	0		USPAT;	2002/12/12
		manag\$5 and transaction and commit and roll\$back and communicat\$4 same protocol	EPO; JPO	11:00
		and access same file and stacked		
_	3	707/\$.ccls. and file same system same	USPAT;	2002/12/12
		manag\$5 and transaction and commit and	EPO; JPO	11:00
		roll\$back and communicat\$4 same protocol and access same file and stack		
_	3	707/\$.ccls. and file same system same	USPAT;	2002/12/12
		manag\$5 and transaction and commit and	EPO; JPO	11:05
		roll\$back and communicat\$4 same protocol and access same file and stack\$4		
_	27	707/\$.ccls. and file same system same	USPAT;	2002/12/12
		manag\$5 and transaction and commit and	EPO; JPO	11:19
		roll\$back and communicat\$4 same protocol and access same file		
_	6	707/\$.ccls. and xdsm	USPAT;	2002/12/12
		611	EPO; JPO USPAT;	11:05
_	0	file same system same manag\$5 and transaction and commit and roll\$back and	EPO; JPO	11:06
		communicat\$4 same protocol and access		
		same file and xdsm	IISDAT.	2002/12/12
-	0	file same system same manag\$5 and transaction and commit and roll\$back and	USPAT; EPO; JPO	11:06
		communicat\$4 same protocol and xdsm		
-	0	file same system same manag\$5 and	USPAT;	2002/12/12
		transaction and commit and roll\$back and xdsm	EPO; JPO	11.00
_	4	1	USPAT;	2002/12/12
		transaction and xdsm	EPO; JPO	11:07 2002/12/12
_	0	file same system same manag\$5 and transaction and xdsm and commit	USPAT; EPO; JPO	11:07
_	. 0	file same system and manag\$5 and	USPAT;	2002/12/12
		transaction and xdsm and commit	EPO; JPO	11:07
_	0	file same system same manag\$5 and transaction and commit and roll\$back and	USPAT; EPO; JPO	2002/12/12
		xdsm	1220, 010	
-	0	file same system same manag\$5 and	USPAT;	2002/12/12
		transaction and commit and roll\$back and	EPO; JPO	11:07
	L	xdsm same protocol	1	.l

_	0	file same system same manag\$5 and	USPAT;	2002/12/12
		transaction and xdsm same protocol	EPO; JPO	11:08
-	4	file same system same manag\$5 and	USPAT;	2002/12/12 11:09
	_	transaction and xdsm	EPO; JPO USPAT;	2002/12/12
-	7	xdsm	EPO; JPO	11:12
	206	data adj storage adj management	USPAT;	2002/12/12
-	200	data adj Storage adj management	EPO; JPO	11:57
_	7	data adj storage adj management and xdsm	USPAT;	2002/12/12
	•	audu auj Doorugo auj management aan taan ta	EPO; JPO	11:17
_	l o	data adj storage adj management and xdsm	USPAT;	2002/12/12
	_	same protocol	EPO; JPO	11:17
-	9	707/\$.ccls. and file same system same	USPAT;	2002/12/12
		manag\$5 and transaction and commit and	EPO; JPO	11:22
		roll\$back and communicat\$4 same protocol		
	_	and access same file and data adj storage		2002/12/12
-	.0		USPAT;	2002/12/12
		manag\$5 and transaction and commit and	EPO; JPO	11:20
		roll\$back and communicat\$4 same protocol		
		and access same file and data adj storage		
_	1	707/\$.ccls. and file same system same	USPAT;	2002/12/12
	1	manag\$5 and transaction and commit and	EPO; JPO	11:22
		roll\$back and communicat\$4 same protocol	,	
		and access same file and data adj storage		
		same management		
_	0	707/\$.ccls. and file adj system same	USPAT;	2002/12/12
		manag\$5 and transaction and commit and	EPO; JPO	11:22
		roll\$back and communicat\$4 same protocol		
		and access same file and data adj storage		
	_	same management		2002/12/12
-	7	707/\$.ccls. and file adj system same	USPAT; EPO; JPO	11:28
		manag\$5 and transaction and commit and roll\$back and communicat\$4 same protocol	EPO, UPO	11.20
		and access same file and data adj storage		•
_	٦ ء	707/\$.ccls. and file adj system same	USPAT;	2002/12/12
-		manag\$5 and transaction and commit and	EPO; JPO	11:29
		roll\$back and communicat\$4 same protocol	,	
		and access same file and data adj storage		
	l	and transaction\$4 near4 function\$5		
-	53	707/\$.ccls. and data adj storage adj	USPAT;	2002/12/12
		management	EPO; JPO	11:58
-	. 1	707/\$.ccls. and data adj storage adj	USPAT;	2002/12/12
		management same protocol	EPO; JPO USPAT;	12:02
-	- 4	707/\$.ccls. and stacked adj file	EPO; JPO	15:39
_	2	707/\$.ccls. and stacked adj file and	USPAT;	2002/12/12
_		transaction	EPO; JPO	15:42
_	2		USPAT;	2002/12/12
			EPO; JPO	15:38
-	2		USPAT;	2002/12/12
		(benefit advantage improve\$5) same	EPO; JPO	15:40
		stack\$5		
-	0		USPAT;	2002/12/12
	_	(benefit advantage) same stack\$5	EPO; JPO USPAT;	15:41 2002/12/12
-	7	stacked adj file and (benefit advantage)	EPO; JPO	15:41
	30	same stack\$5 707/\$.ccls. and stack\$4 near4 file and	USPAT;	2002/12/12
1	1 39	transaction	EPO; JPO	15:42
_	17	707/\$.ccls. and stack\$4 near4 file and	USPAT;	2002/12/12
	- '	transaction and commit	EPO; JPO	15:42
_	0	707/\$.ccls. and stack\$4 near4 file and	USPAT;	2002/12/12
		transaction and commit and roll\$back	EPO; JPO	15:43
-	0	707/\$.ccls. and stack\$4 near4 file adj	USPAT;	2002/12/12
	1	system and transaction and commit and	EPO; JPO	15:43
		roll\$back	HCD2m	2002/12/12
-	2	707/\$.ccls. and stack\$4 near4 file adj	USPAT;	2002/12/12
	_	system and transaction and commit	EPO; JPO USPAT;	15:45 2002/12/12
-	3	707/\$.ccls. and stack\$4 near4 file adj system and transaction	EPO; JPO	15:46
	L	system and transaction		12.30

-	1	707/\$.ccls. and "stacked file system"	USPAT;	2002/12/12
	0	transaction and "stacked file system"	EPO; JPO USPAT;	15:48 2002/12/12
_		transaction and stacked life system	EPO; JPO	15:48
_	1	"stacked file system"	USPAT;	2002/12/12
		-	EPO; JPO	15:48
-	462	hierarchical with file adj system	USPAT;	2003/05/20
			EPO; JPO; IBM TDB	13:30
	112	manag\$4 same hierarchical with file adj	USPAT;	2003/05/20
-	112	system	EPO; JPO;	13:30
		-3	IBM_TDB	·
_	20	manag\$4 same hierarchical with file adj	USPAT;	2003/05/20
-		system and file adj format	EPO; JPO;	13:31
		www.waa.www.birwawabiral.with file adi	IBM_TDB USPAT;	2003/05/20
-	0	manag\$4 same hierarchical with file adj system and (various multiple) adj file	EPO; JPO;	13:31
		adj format	IBM TDB	10.01
-	2	manag\$4 same hierarchical with file adj	USPAT;	2003/05/20
		system and file adj format and (multiple	EPO; JPO;	14:27
		various different) adj format	IBM_TDB	2002/05/20
-	1	manag\$4 same hierarchical with file adj	USPAT;	2003/05/20 13:36
		system and file adj format and (multiple various different) adj format and unknown	EPO; JPO; IBM TDB	13.30
		adi format	15.1_155	
-	10		USPAT;	2003/05/20
		file adj format and (multiple various	EPO; JPO;	14:29
		different) adj format	IBM_TDB	2002/05/20
-	1	hierarchical with file adj system and	USPAT;	2003/05/20 15:00
		file adj format and (multiple various different) adj format and unknown with	EPO; JPO; IBM TDB	15:00
		format	15.1_155	
_	2	file adj system and file adj format and	USPAT;	2003/05/20
		(multiple various different) adj format	EPO; JPO;	14:39
		and unknown with format	IBM_TDB	2002/05/20
-	228	hierarchical adj file adj system	USPAT; EPO; JPO;	2003/05/20
			IBM TDB	13.03
_	36	hierarchical adj file adj system and file	USPAT;	2003/05/20
	1	adj format	EPO; JPO;	15:03
1			IBM_TDB	2002/05/20
-	0		USPAT; EPO; JPO;	2003/05/20 15:02
		adj format and (different multiple various) adj format and unknown adj	IBM TDB	13.02
		format		
-	0	hierarchical adj file adj system and file		2003/05/20
1		adj format and unknown adj format	EPO; JPO;	15:02
-			IBM_TDB	2003/05/20
-	0	hierarchical adj file adj system and unknown adj format	USPAT; EPO; JPO;	15:03
		anniown adj rozmac	IBM TDB	
_	6		USPĀT;	2003/05/20
	1	adj format and (different multiple	EPO; JPO;	15:03
		various) adj format	IBM_TDB	2002/10/29
-	65	1	USPAT; EPO; JPO	2003/10/28 14:13
_	37	manager hierarch\$4 adj file adj system and	USPAT;	2003/10/28
	37	transaction and manager	EPO; JPO	14:13
-	17	hierarch\$4 adj file adj system and	USPAT;	2003/10/28
		transaction and manager and resource with	EPO; JPO	14:14
	}	manag\$4 and resource with relat\$4 with file		
_	0	file hierarch\$4 adj file adj system and	USPAT;	2003/10/28
	1	transaction and manager and resource with	EPO; JPO	14:15
		manag\$4 and resource with relat\$4 with		
		file and commit\$4 and roll\$back\$4		2002/10/20
-	0	hierarch\$4 adj file adj system and	USPAT; EPO; JPO	2003/10/28 14:16
		transaction and manager and resource with manag\$4 and resource with relat\$4 with	EFO, UFO	11.10
	1	file and commit\$4 and roll\$back		
	L			

_	0	hierarch\$4 adj file adj system and	USPAT;	2003/10/28
		transaction and manager and resource with	EPO; JPO	14:16
		manag\$4 and resource with relat\$4 with		
		file and commit\$4		
_	17	hierarch\$4 adj file adj system and	USPAT;	2003/10/28
		transaction and manager and resource with	EPO; JPO	14:17
		manag\$4 and resource with relat\$4 with		
		file		
_	3	hierarch\$4 adj file adj system and	USPAT;	2003/10/28
		transaction and manager and commit\$4 and	EPO; JPO	14:17
İ		roll\$back		
_	26	hierarch\$4 adj file adj system and	USPAT;	2003/10/28
ļ		transaction and manager and resource with	EPO; JPO	14:22
		manag\$4		
_	l 0	transaction adj proram	USPAT;	2003/10/29
		•	US-PGPUB;	08:24
			EPO; JPO;	
			IBM TDB	
_	560	transaction adj program	USPAT;	2003/10/29
		024 u., F9	US-PGPUB;	08:24
			EPO; JPO;	
			IBM TDB	
_	٦	transaction adj program and hierarchical	USPAT;	2003/10/29
		adj file	US-PGPUB;	08:40
			EPO; JPO;	
		•	IBM TDB	
_	86	manag\$4 with hierarchical adj file	USPAT;	2003/10/29
		managri with mittatomittal aaj tito	US-PGPUB;	08:41
			EPO; JPO;	
			IBM TDB	
_	1	manag\$4 with hierarchical adj file and	USPAT;	2003/10/29
-		transaction with program	US-PGPUB;	08:43
		crambaceron wren program	EPO; JPO;	
			IBM TDB	
1_	4	manag\$4 with hierarchical adj file and	USPAT;	2003/10/29
	1	transaction	US-PGPUB;	08:53
		Classaction	EPO; JPO;	00.00
	1		IBM TDB	
_	5.4	manag\$4 same hierarchical adj file and	USPAT;	2003/10/29
	34	transaction	US-PGPUB;	09:19
		Clansaction	EPO; JPO;	****
			IBM TDB	
_	1	manag\$4 same hierarchical adj file and	USPAT;	2003/10/29
	1	transaction and commit\$4 and roll\$back	US-PGPUB;	08:54
	1		EPO; JPO;	1
	1		IBM TDB	
_	7	manag\$4 and hierarchical adj file and	USPAT;	2003/10/29
	,	transaction and commit\$4 and roll\$back	US-PGPUB;	08:54
			EPO; JPO;	
			IBM TDB	İ
-	2	manag\$4 and hierarchical adj file and	USPAT;	2003/10/29
		transaction and commit\$4 and roll\$back	US-PGPUB;	08:58
		and transaction\$4 with function\$6	EPO; JPO;	
		The state of the s	IBM TDB	
l _	5	manag\$4 and hierarchical adj file and	USPAT;	2003/10/29
		transaction and commit\$4 and roll\$back	US-PGPUB;	09:14
	1	and transaction\$4 with change with file	EPO; JPO;	
	1	and clanbaction with change with life	IBM TDB	
_	2	manag\$4 and hierarchical adj file and	USPAT;	2003/10/29
	-	transaction and commit\$4 and roll\$back	US-PGPUB;	09:14
		and transaction\$4 with change with file	EPO; JPO;	
		and change with transaction with data	IBM TDB	
1_	5		USPAT;	2003/10/29
		transaction and commit\$4 and roll\$back	US-PGPUB;	13:23
		and transaction\$4 with change with file	EPO; JPO;	
		and change with (transaction data)	IBM TDB	
_	1	manag\$4 and hierarchical adj file and	USPAT;	2003/10/29
		transaction and commit\$4 and roll\$back	US-PGPUB;	09:19
		and transaction\$4 with change with file	EPO; JPO;	
		and change with (transaction data) and	IBM TDB	
		manager		[
		1 7	l	

				
<u> </u>	34	manag\$4 same hierarchical adj file and	USPAT;	2003/10/29
1		transaction and manager	US-PGPUB;	09:20
			EPO; JPO;	
			IBM_TDB	(10 (00
-	1	manag\$4 same hierarchical adj file and	USPAT;	2003/10/29
		transaction and manager and commit\$4 and	US-PGPUB;	09:20
		roll\$back	EPO; JPO;	
			IBM_TDB	
_	1	1	USPAT;	2003/10/29
		transaction and manager and	US-PGPUB;	09:21
		707/200-201.ccls.	EPO; JPO;	
			IBM_TDB	
-	32	manag\$4 same hierarchical adj file and	USPAT;	2003/10/29
		transaction and manager and change\$4 with	US-PGPUB;	09:22
		(transaction data) and relat\$4	EPO; JPO;	
			IBM_TDB	2002/10/20
-	2	manag\$4 same hierarchical adj file and	USPAT;	2003/10/29
		transaction and manager and change\$4 with	US-PGPUB;	09:22
		(transaction data) and relat\$4 and	EPO; JPO;	
		commit\$4	IBM_TDB	2002/10/20
-	1	manag\$4 same hierarchical adj file and	USPAT; US-PGPUB;	2003/10/29
		transaction and manager and change\$4 with (transaction data) and relat\$4 and	EPO; JPO;	03.22
		commit\$4 and roll\$back\$4	IBM TDB	
	4	manag\$4 and hierarchical adj file and	USPAT;	2003/10/29
_	4	transaction and commit\$4 and roll\$back	US-PGPUB;	13:23
		and transaction\$4 with change with file	EPO; JPO;	13.23
		and change with (transaction data) and	IBM TDB	
		communicat\$4 with protocol	12.1_122	
_	1	transaction adj manager and file adj	USPAT;	2004/04/19
	1	resource adj manager	US-PGPUB;	14:45
		Tesource adj manager	EPO; JPO;	
			IBM TDB	
_	2	transaction adj manag\$4 and file adj	USPĀT;	2004/04/19
	_	resource adj manag\$4	US-PGPUB;	14:46
			EPO; JPO;	
		·	IBM TDB	
_	7	transaction adj manag\$4 and file adj	USPAT;	2004/04/19
		resource with manag\$4	US-PGPUB;	14:47
			EPO; JPO;	
			IBM_TDB	
_	3	transaction with manag\$4 and file adj	USPAT;	2004/04/19
		resource with manag\$4 not business.as.	US-PGPUB;	14:48
			EPO; JPO;	
			IBM_TDB	2004/04/22
-	13	transaction and file adj resource with	USPAT;	2004/04/19
		manag\$4 not business.as.	US-PGPUB;	14:54
			EPO; JPO;	
			IBM_TDB	2004/04/10
-	421		USPAT;	2004/04/19
		manag\$4 not business.as.	US-PGPUB;	14:54
			EPO; JPO; IBM TDB	
	1.00	thangagtion with managed and file with	USPAT;	2004/04/19
-	168	transaction with manag\$4 and file with resource with manag\$4 not business.as.	US-PGPUB;	14:55
		resource with managra not business.as.	EPO; JPO;	14.55
			IBM TDB	
I _	160	transaction with manag\$4 and file with	USPAT;	2004/04/19
	109	resource with manag\$4 not (ibm "business	US-PGPUB;	14:55
		machines").as.	EPO; JPO;	
		,	IBM TDB	
_	n	transaction with manag\$4 and file with	USPAT;	2004/04/19
		resource with manag\$4 not (ibm "business	US-PGPUB;	14:56
		machines").as. and concistent	EPO; JPO;	
		,	IBM TDB	
_	91	transaction with manag\$4 and file with	USPAT;	2004/04/19
		resource with manag\$4 not (ibm "business	US-PGPUB;	14:56
		machines").as. and consistent	EPO; JPO;	
	i	1	IBM TDB	1

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machines").as. and consistent with transaction with manag4 and file with resource with manag4 and file with remachines").as. and consistent with transaction and transactional adj functions and transactional adj functions and transactional adj functions from the resource with manag4 and file with resource with manag4 and file with resource with manag4 and file with resource with manag4 and file with transaction and transactions and file with transaction and transactions with manag4 and file with resource with manag4 and file with resource with manag4 and file with transaction with manag4 and file with resource with manag4 and file with res	-	54	transaction with manag\$4 and file with	1	
transaction with manag4 and file with resource with manag4 and file with transaction and transactional adj functions4 functions4 functions4 transaction with manag4 and file with resource with manag4 and file with resource with manag4 and file with resource with manag4 and file with resource with manag4 and file with resource with manag4 and file with resource with manag4 and file with resource with manag4 and file with resource with manag4 and file with resource with manag4 and file with resource with manag4 and file with resource with manag4 and file with resource with manag4 and file with transaction and transactions4 with functions6 transaction with manag4 and file with resource with manag4 and file with resource with manag4 and file with resource with manag4 and file with resource with manag4 and file with resource with manag4 and file with resource with manag4 and file with functions6 and hierarchical with file with system 1				1	14.59
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		resource with manag\$4 not (ibm "business	US-PGPUB;	09:20
		machines").as. and consistent with	EPO; JPO;	
		transaction and transaction\$4 with	IBM_TDB	
]		function\$6 not bowman.in. and hierarch\$4		
	,	with system and file with system transaction with manag\$4 and file with	USPAT;	2004/04/20
-	2	resource with manag\$4 not (ibm "business	US-PGPUB;	09:24
		machines").as. not bowman.in. and	EPO; JPO;	03.21
		hierarch\$4 with system and file with	IBM TDB	
1		system and resource with manag\$4 with	_	
1		hierarch\$4		
-	1		USPAT;	2004/04/20
		resource with manag\$4 not (ibm	US-PGPUB;	09:25
İ	1	international business machines).as. not bowman.in. and hierarch\$4 with system and	EPO; JPO; IBM TDB	
		file with system and resource with	1511_155	•
		manag\$4 with hierarch\$4		
-	o	transaction with manag\$4 and file with	USPAT;	2004/04/20
1	1	resource with manag\$4 not (ibm	US-PGPUB;	09:25
		international business machines).as. not	EPO; JPO;	
1		bowman.in. and hierarch\$4 with system and	IBM_TDB	
		file with system and resource with manag\$4 with hierarch\$4 and hierarchical		
1_	10	l	USPAT;	2004/04/20
	10	international business machines).as. not	US-PGPUB;	09:34
1		bowman.in. and hierarch\$4 with system and	EPO; JPO;	
		file with system and resource with	IBM_TDB	
		manag\$4 with hierarch\$4 and hierarchical		
-	4		USPAT;	2004/04/20
		international business machines) as. not	US-PGPUB;	09:37
		bowman.in. and hierarch\$4 with system and	EPO; JPO; IBM_TDB	
		file with system and resource with manag\$4 with hierarch\$4 and hierarchical	151-100	
1		and transaction		
L	1		L	L

	32	resource with manag\$4 not (ibm	USPAT;	2004/04/20
		international business machines).as. not	US-PGPUB;	09:37
		bowman.in. and hierarch\$4 with system and	EPO; JPO;	
		file with system and resource with	IBM TDB	
		manag\$4 with hierarch\$4 and hierarchical	_	
ł		and transaction		
l	32	l	USPAT;	2004/04/20
	32	system and file with system and resource	US-PGPUB;	09:39
		with manag\$4 with hierarch\$4 and	EPO; JPO;	
		hierarchical and transaction not (ibm	IBM TDB	
		international business machines).as. not		
	1	bowman.in.		
		resource with manag\$4 and hierarch\$4 with	USPAT;	2004/04/20
-	1	system and file with system and resource	US-PGPUB;	09:46
		with manag\$4 with hierarch\$4 and	EPO; JPO;	""
		hierarchical and transaction with manag\$4	IBM_TDB	
	†	not (ibm international business	1511_155	
	Ì	machines).as. not bowman.in.		
	13		USPAT;	2004/04/20
-	13	manag\$4 with hierarchical with (file	US-PGPUB;	09:46
		system) not (ibm international business	EPO; JPO;	03.40
		machines).as. not bowman.in.	IBM TDB	
	0		USPAT;	2004/04/20
_	"	file with resource with manager and manag\$4 with hierarchical with (file	US-PGPUB;	09:47
		system) and transaction with manager not	EPO; JPO;	03.47
		(ibm international business machines).as.	IBM TDB	
		not bowman.in.	IBM_IDB	
			USPAT;	2004/04/20
_	0	file with resource with manager and manag\$4 with hierarchical with (file	US-PGPUB;	09:47
			EPO; JPO;	09.47
		system) and transaction with manag\$4 not (ibm international business machines).as.	IBM TDB	
			I DM_IDB	
		not bowman.in.	USPAT;	2004/04/20
-	4	file with resource with manager and	US-PGPUB;	09:49
		manag\$4 with hierarchical with (file	EPO; JPO;	UJ. 43
		system) and transaction not (ibm	IBM TDB	
		international business machines).as. not	TEM_IDE	
		bowman.in.	HCDATT.	2004/04/20
-	13		USPAT;	09:49
		manag\$4 with hierarchical with (file	US-PGPUB;	09.49
		system) not (ibm international business	EPO; JPO;	
		machines).as. not bowman.in.	IBM_TDB	